



FIG. 1

1	<i>YQQLQIPAS</i>	<i>SPSIFFQDKP</i>	<i>FTPDRDPYD</i>	<i>HKVDAIGEGH</i>	<i>EPLPWRMGDG</i>	50
51	<i>ATIMGPRNKD</i>	<i>RERQNPDMRL</i>	<i>PPSTDHGNMP</i>	<i>NMRWSFADSH</i>	<i>IRIEEGGWTR</i>	100
101	<i>QTTVRELPTS</i>	<i>RELAGVNMRL</i>	<i>DEGVIRELHW</i>	<i>HREAWEAYVL</i>	<i>AGRVRVTGLD</i>	150
151	<i>LEGGSFIDDL</i>	<i>EEGDLWYFPS</i>	<i>GHPHSLQGLS</i>	<i>PNGTEFLLIF</i>	<i>DDGNFSEEST</i>	200
201	<i>FLLTDWIAHT</i>	<i>PKSVLAGNFR</i>	<i>MRPQTFKNIP</i>	<i>PSEKYIFQGS</i>	<i>VPDSIPKELP</i>	250
251	<i>RNFKASKQRF</i>	<i>THKMLAQEPE</i>	<i>HTSGGEVRIT</i>	<i>DSSNFPISKT</i>	<i>VAAAHLTINP</i>	299
300	<i>GAIREMHWWP</i>	<i>NADEWSYFKR</i>	<i>GRARVTIFAA</i>	<i>EGNARTFDYV</i>	<i>AGDVGIVPRN</i>	349
350	<i>MGHFIENTSD</i>	<i>DEEEVLEIF</i>	<i>RADRFDFSL</i>	<i>FQWMGETPQR</i>	<i>MVAEHVFKDD</i>	399
400	<i>PDAAREFLKS</i>	<i>VESGEKDPIR</i>	<i>SPSE</i>			424

FIG. 2

	71						130
genomic	TTACCAGCAA	CTACTGCAGA	TTCCCGCCTC	ATCCCCATCC	ATTTTCTTCC	AAGACAAGCC	
cDNA	TTACCAGCAA	CTACTGCAGA	TTCCCGCCTC	ATCCCCATCC	ATTTTCTTCC	AAGACAAGCC	
	1						60
	131						190
genomic	ATTACACCCC	GATCATCGCG	ACCCCTATGA	TCACAAGGTG	GATGCGATCG	GGGAAGGCCA	
cDNA	ATTACACCCC	GATCATCGCG	ACCCCTATGA	TCACAAGGTG	GATGCGATCG	GGGAAGGCCA	
	61						120
	191						250
genomic	TGAGCCCTTG	CCCTGGCGCA	TGGGAGATGG	AGCCACCATC	ATGGGACCCC	GCAACAAGGA	
cDNA	TGAGCCCTTG	CCCTGGCGCA	TGGGAGATGG	AGCCACCATC	ATGGGACCCC	GCAACAAGGA	
	121						180
	251						310
genomic	CCGTGAGCGC	CAGAACCCCG	ACATGCTCCG	TCCTCCGAGC	ACCGACCATG	GCAACATGCC	
cDNA	CCGTGAGCGC	CAGAACCCCG	ACATGCTCCG	TCCTCCGAGC	ACCGACCATG	GCAACATGCC	
	181						240
	311						370
genomic	GAACATGCGG	TGGAGCTTTG	CTGACTCCCA	CATTTCGCATT	GAG <u>GTAAGCC</u>	<u>CTTCGAGAGT</u>	
cDNA	GAACATGCGG	TGGAGCTTTG	CTGACTCCCA	CATTTCGCATT	GAG.....	.....
	241				283		
	371						430
genomic	<u>CTTGTGTACG</u>	<u>ACAAGCAAAA</u>	<u>TAGGCTAATG</u>	<u>CACTGCAGGA</u>	GGGCGGCTGG	ACACGCCAGA	
cDNA	.....	.....	.....	.....GA	GGGCGGCTGG	ACACGCCAGA	
				284			305
	431						490
genomic	CTACCGTACG	CGAGCTGCCA	ACAAGCAGGG	AGCTTGCTGG	AGTAAACATG	CGCCTTGATG	
cDNA	CTACCGTACG	CGAGCTGCCA	ACAAGCAAGG	AGCTTGCTGG	AGTAAACATG	CGCCTTGATG	
	306						365
	491						550
genomic	AGGGTGTCAT	TCGCGAGCTG	CACTGGCATC	GGGAAGCAGA	GTGGGCGTAT	GTGCTGGCCG	
cDNA	AGGGTGTCAT	TCGCGAGCTG	CACTGGCATC	GGGAAGCAGA	GTGGGCGTAT	GTGCTGGCCG	
	366						425
	551						610
genomic	GACGTGTACG	AGTGACTGGT	CTTGACCTGG	AGGGAGGCAG	CTTCATCGAT	GACCTGGAAG	
cDNA	GACGTGTACG	AGTGACTGGT	CTTGACCTGG	AGGGAGGCAG	CTTCATCGAT	GACCTGGAAG	
	426						485

FIG. 3A

	611						670
genomic	AGGGTGACCT	CTGGTACTTC	CCATCGGGCC	ATCCCCATTC	ACTTCAGGGT	CTCAGTCCTA	
cDNA	AGGGTGACCT	CTGGTACTTC	CCATCGGGCC	ATCCCCATTC	ACTTCAGGGT	CTCAGTCCTA	
	486						545
	671						730
genomic	ATGGCACCGA	GTTCTTACTG	ATCTTCGACG	ATGGAAACTT	TTCCGAGGAG	TCAACGTTCT	
cDNA	ATGGCACCGA	GTTCTTACTG	ATCTTCGACG	ATGGAAACTT	TTCCGAGGAG	TCAACGTTCT	
	546						605
	731						790
genomic	TGTTGACCGA	CTGGATCG <u>GT</u>	<u>ATGTCCATCA</u>	<u>CTATGCTGTT</u>	<u>GTACAACCTC</u>	<u>CACAAAAATA</u>	
cDNA	TGTTGACCGA	CTGGATCG..	.....	.....	.....	.....
	606		623				
	791						850
genomic	<u>CTAACAATGC</u>	<u>TATAAAACAG</u>	CACATACACC	CAAGTCTGTC	CTCGCCGGAA	ACTTCCGCAT	
cDNA	.....	.....	CACATACACC	CAAGTCTGTC	CTCGCCGGAA	ACTTCCGCAT	
			624				663
	851						910
genomic	GCGCCCACAA	ACATTCAAGA	ACATCCCACC	ATCTGAAAAG	TACATCTTCC	AGGGCTCTGT	
cDNA	GCGCCCACAA	ACATTCAAGA	ACATCCCACC	ATCTGAAAAG	TACATCTTCC	AGGGCTCTGT	
	664						723
	911						970
genomic	CCCAGACTCT	ATCCCCAAAG	AACTTCCCCG	CAACTTCAAA	GCATCCAAGC	AGCGCTTCAC	
cDNA	CCCAGACTCT	ATCCCCAAAG	AACTTCCCCG	CAACTTCAAA	GCATCCAAGC	AGCGCTTCAC	
	724						783
	971						1030
genomic	GCATAAGATG	CTCGCTCAAG	AACCCGAGCA	TACCTCTGGC	GGAGAGGTGC	GCATCACAGA	
cDNA	GCATAAGATG	CTCGCTCAAG	AACCCGAGCA	TACCTCTGGC	GGAGAGGTGC	GCATCACAGA	
	784						843
	1031						1090
genomic	CTCGTCCAAC	TTTCCCATCT	CCAAGACGGT	CGCGGCCGCC	CACCTGACCA	TTAACCCGGG	
cDNA	CTCGTCCAAC	TTTCCCATCT	CCAAGACGGT	CGCGGCCGCC	CACCTGACCA	TTAACCCGGG	
	844						903
	1091						1150
genomic	CGCTATCCGG	GAGATGCACT	GGCATCCCAA	TGCGGATGAA	TGGTCCTACT	TTAAGCGCGG	
cDNA	CGCTATCCGG	GAGATGCACT	GGCATCCCAA	TGCGGATGAA	TGGTCCTACT	TTAAGCGCGG	
	904						963
	1151						1210
genomic	TCGGGCGCGA	GTGACTATCT	TCGCTGCTGA	AGGTAATGCT	CGTACATTCG	ACTACGTAGC	
cDNA	TCGGGCGCGA	GTGACTATCT	TCGCTGCTGA	AGGTAATGCT	CGTACATTCG	ACTACGTAGC	
	964						1023

FIG. 3B

	1211						1270
genomic	GGGAGATGTG	GGCATTGTTC	CTCGCAACAT	GGGTCATTTC	ATTGAGAACC	TCAGTGATGA	
cDNA	GGGAGATGTG	GGCATTGTTC	CTCGCAACAT	GGGTCATTTC	ATTGAGAACC	TCAGTGATGA	
	1024						1083
	1271						1330
genomic	CGAGGAGGTC	GAGGTGTTGG	AAATCTTCCG	GGCGGACCGA	TTCCGGGACT	TTTCGTTGTT	
cDNA	CGAGGAGGTC	GAGGTGTTGG	AAATCTTCCG	GGCGGACCGA	TTCCGGGACT	TTTCGTTGTT	
	1084						1143
	1331						1390
genomic	CCAGTGGATG	GGAGAGACGC	CGCAGCGGAT	GGTGGCAGAG	CATGTGTTTA	AGGATGATCC	
cDNA	CCAGTGGATG	GGAGAGACGC	CGCAGCGGAT	GGTGGCAGAG	CATGTGTTTA	AGGATGATCC	
	1144						1203
	1391						1450
genomic	AGATGCGGCC	AGGGAGTTCC	TTAAGAGTGT	GGAGAGCGGG	GAGAAGGATC	CAATTCGGAG	
cDNA	AGATGCGGCC	AGGGAGTTCC	TTAAGAGTGT	GGAGAGCGGG	GAGAAGGATC	CGATTCGGAG	
	1204						1263
	1451		1467				
genomic	CCCAAGTGAG	TAGATGA					
cDNA	CCCAAGTGAG	TAGATGA					
	1264		1280				

FIG. 3C

CTATGCATCC AAGCGTTGG GAGCTCTCCC ATATGTTGGA CCTGCAGGCG GCCGCGAATT CACTAGTGAT
 TTACCAGCAA CTACTGCAGA TTCCCGCCTC ATCCCATCC ATTTCTTCC AAGACAAGCC ATTACACCCC
 GATCATCGCG ACCCTATGA TCACAGGTG GATGCGATCG GGAAGGCCA TGAGCCCTTG CCCTGGCGCA
 TGGGAGATGG AGCCACCATC ATGGGACCCC GCAACAAGGA CCGTGAGCGC CAGAACCCCG ACATGCTCCG
 TCCTCCGAGC ACCGACCATG GCAACATGCC GAACATGCGG TGGAGCTTTG CTGACTCCCA CATTCGCATT
 GAGGTAAGCC CTTGAGAGT CTTGTGTACG ACAAGCAAAA TAGGCTAATG CACTGCAGGA GGGCGGCTGG
 ACACGCCAGA CTACCGTACG CGAGTGCCA ACAAGCAGGG AGCTTGCTGG AGTAAACATG CGCCTTGATG
 AGGTGTTCAT TCGCGAGCTG CACTGGCATC GGAAGCAGA GTGGCGTAT GTGCTGGCCG GACGTGTACG
 AGTGACTGGT CTTGACCTGG AGGAGGCAG CTTTCATCGAT GACCTGGAAG AGGTGACCT CTGGTACTTC
 CCATCGGGCC ATCCCATTC ACTTCAGGGT CTCAGTCCTA ATGGCACCGA GTTCTTACTG ATCTTCGACG
 ATGGAAACTT TTCCGAGGAG TCAACGTTCT TGTTGACCGA CTGGATCGGT ATGTCCATCA CTATGCTGTT
 GTACAACCTC CACAAAAATA CTAACAATGC TATAAAACAG CACATACACC CAAGTCTGTC CTCGCCGGAA
 ACTTCGCGAT GCGCCACAA ACATTCAAGA ACATCCCAAC ATCTGAAAAG TACATCTTCC AGGCTCTGT
 CCAGACTCT ATCCCAAAG AACTTCCCG CAACTTCAA GCATCCAAGC AGCGTTTAC GCATAAGATG
 CTGCTCAAG AACCGAGCA TACCTTGGC GGAGAGTGC GCATCACAGA CTCGTCCAAC TTCCCATCT
 CCAAGACGGT CGCGCGCGC CACCTGACCA TTAACCCGGG CGCTATCCGG GAGATGCACT GGCATCCCAA
 TCGGATGAA TGGTCCCTACT TTAAGCGCGG TCGGGCGCGA GTGACTATCT TCGCTGCTGA AGGTAATGCT
 CGTACATTG ACTACGTAGC GGGAGATGTG GGCATTGTC CTCGCAACAT GGTCAATTTC ATTGAGAACC
 TCACTGATGA CGAGGAGGTC GAGGTGTGG AAATCTTCCG GCGGGACCGA TTCGGGACT TTTCGTTGTT
 CCAGTGGATG GGAGAGACGC CGCAGCGGAT GGTGGCAGAG CATGTGTTTA AGGATGATCC AGATGCGGCC
 AGGAGTTCC TTAAGAGTGT GGAGAGCGGG GAGAAGGATC CAATTCCGAG CCCAAGTGAG TAGATGAAAT
 CGAATTCCCG CGGCGCCCAT GCGGCGCGGG AGCATGCGAC GT (1512)

FIG. 4

1	MKKQNDIPQP	IRGDKGATVK	IPRNIERDRQ	NPDMLVPPET	DHGTVSNMKF	50
51	SFSDTHNRLE	KGGYAREVTV	RELPISENLA	SVNMRLKPGA	IRELHWHKEA	100
101	EWAYMIYGSA	RVTIVDEKGR	SFIDDVGEED	LWYFPSGLPH	SIQALEEGAE	151
151	FLLVFDDGSF	SENSTFQLTD	WLAHTPKEVI	AANFGVTKEE	ISNLPGKEY	200
201	IFENQLPGSL	KDDIVEGPNG	EVYPPTYRL	LEQEPIESEG	GKVYIADSTN	250
251	FKVSKTIASA	LVTVEPGAMR	ELHWHPNTHE	WQYYISGKAR	MTVFASDGHA	299
300	RTFNYQAGDV	GYVPFAMGHY	VENIGDEPLV	FLEIFKDDHY	ADVSLNQWLA	349
350	MLPETFVQAH	LDLGKDFTDV	LSKEKHPVVK	KKCSK		385

FIG. 5